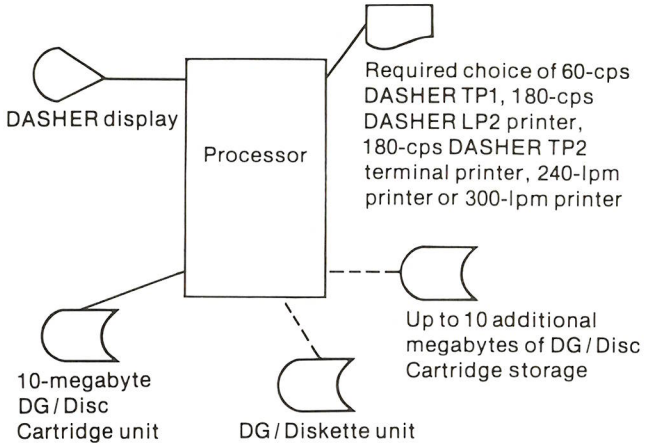
DataGeneral

CS/30 MOD C1

SYSTEM BRIEF

FEATURES

- Interactive execution of business applications using ANSI '74 COBOL at a single terminal
- Interactive COBOL program development, editing, modification and debugging
- Program- and data-compatible with other Commercial Systems family members
- Sophisticated sequential, random, and indexed sequential (ISAM) file access
- Proven operating software and utilities
- Optional IBM 2780/3780-compatible communications capability
- Basic system module includes a powerful processor, DASHER™ display and a 10-megabyte disc storage unit
- Access of up to 20 megabytes of data storage
- Optional diskette storage
- Wide choice of printers
- Optional attractive worktable for any office decor


DASHER display
Processor
Required choice of 60-cps DASHER TP1, 180-cps DASHER LP2 printer, 180-cps DASHER TP2 terminal printer, 240-lpm printer or 300-lpm printer
Up to 10 additional megabytes of DG/Disc Cartridge storage
10-megabyte DG/Disc Cartridge unit
DG/Diskette unit

DESCRIPTION

Data General's CS/30 Mod C1 combines easy-to-use interactive ANSI '74 COBOL and utilities with sophisticated operating software and attractive, operator-convenient hardware. The basic system elements are designed and configured to best fit the needs of a variety of business applications, such as billing, accounts receivable/payable, sales and purchase analyses, inventory control and payroll.

Data General's Interactive COBOL allows easy programming of interactive data entry, inquiry/response and processing applications. Interactive COBOL meets most ANSI '74 Level I standards and has many Level II module elements. It includes screen definition and handling and file management capabilities ideal for users with transaction-driven requirements. Interactive COBOL allows sequential, random and indexed sequential (ISAM) data access.

CS/30 Mod C1 components include Data General's Interactive COBOL language with extensive file management utilities, a Data General computer system running under sophisticated operating software, one DASHER display terminal, 10 megabytes of DG/Disc cartridge storage and a choice of a 60-cps DASHER TP1 terminal printer, a 180-cps DASHER LP2 printer, a 180-cps DASHER TP2 terminal printer, a 240-lpm printer or a 300-lpm printer. Up to 20 megabytes of DG/Disc cartridge storage can be used on the system. A DG/Diskette unit can be added for software and data transportability.

INTERACTIVE COBOL

Data General's Interactive COBOL provides powerful data management capabilities, multiterminal control and extensive program development aids. ANSI '74 Level I implementations include table handling; sequential, random and indexed sequential (ISAM) data access; and library modules. Screen management capabilities—screen formatting, field defining and processing—and extensive Level II elements combine to make Interactive COBOL ideal for interactive, transaction-driven processing.

Program development aids include powerful text editors, a highly-efficient COBOL compiler with concise everyday-language error messages, and an interactive program debugger. The interactive debugger lets the programmer temporarily stop program execution to examine and/or modify program data. The debugger uses everyday-language commands that reference the actual COBOL PROCEDURE and DATA DIVISION names.

FILE MANAGEMENT

Interactive COBOL includes sequential, random and indexed sequential (ISAM) file access for efficient data management. ISAM file methods are the most commonly used in business applications because they provide rapid access to most frequently used data.

File and record lockout provisions ensure data integrity by controlling concurrent access by other programs; i.e., two users cannot simultaneously enter updates to the same record. File and record level lockout can be used with random and ISAM files. Sequential files are locked at the file level.

Copyright © 1979, Data General Corporation,
Westboro, Massachusetts.
All rights reserved. Printed in U.S.A.

DASHER is a trademark of Data General Corporation.

OPERATING SYSTEM

The Interactive COBOL compiler and runtime monitor run under a sophisticated operating system that supports a flexible user-oriented environment. The operating system efficiently manages critical system resources, including memory. The runtime monitor controls memory management and provides a control and command capability.

An interactive Command Line Interpreter enhances system management and control by simplifying start-up, shut-down and normal system operation. System copy utilities include disc-to-disc for system and data backup.

COMMUNICATIONS

The ICRJE80 Remote Job Entry control program lets CS/30 systems perform remote job entry tasks and communicate with other Data General computers and IBM-compatible systems.

ICRJE80 supports four types of remote job entry systems: point-to-point communications between a CS/30 system emulating a 2780/3780 terminal and an IBM-compatible host system; point-to-point communications between two Data General computers running ICRJE80; communications between multidrop Data General systems emulating 3780 slave terminals and an IBM-compatible host; and communications between multidrop Data General systems emulating 3780 slave terminals and a Data General system running ICRJE80.

COMMERCIAL SYSTEMS FAMILY

Commercial Systems CS/30 are fully program- and data-compatible with other Data General Commercial Systems family members. Programs developed on CS/30 run on any Commercial Systems model, and programs developed on Commercial Systems CS/20, CS/40 and CS/60 run on CS/30. The interchangeability of programs and data is key to system expansion. CS/30 users can offload or share tasks with CS/20, CS/40 and CS/60 systems without reprogramming applications. The largest Commercial Systems, CS/60, support up to 850 megabytes of data storage and, depending on the application, up to 17 terminals (12 active).

HARDWARE

The basic CS/30 Mod C1 includes:

- A high-performance, general-purpose computer designed for demanding, interactive requirements.
- A DG/Disc storage subsystem with 10 megabytes of data and program storage.
- A DASHER display terminal with an 80-character by 24-line screen mounted in swivel cabinetry and a free-standing typewriter-style keyboard with standard numeric pad.
- A wide selection of printers, including 60-cps, 180-cps, 240-lpm and 300-lpm models.

Up to 20 megabytes of DG/Disc storage can be used with this system.

The Mod C1 system can include a second 10-megabyte DG/Disc storage subsystem and a DG/Diskette for transporting data and programs between systems. In addition, they provide convenient storage of programs and data for diagnostic use.

An optional synchronous line controller provides full modem control and EIA (RS-232-C/CCITT V.24) interfaces for communications using the ICRJE80 emulation program.

The materials contained herein are summary in nature, subject to change, and intended for general information only. Details and specifications concerning the use and operation of Data General equipment and software are available in the applicable technical manuals, available through local sales representatives.

DataGeneral

Data General Corporation, Westboro, Massachusetts 01581, (617) 366-8911